

AMENDMENTS TO THE SPECIFICATION

**Please replace the section beginning at page 10, line 5 and ending at page 11, line 23,
with the following:**

Description of Reference Numerals:

- 1 first diffusion-controlling section
- 2 first measurement space
- 3 second diffusion-controlling section (filled with catalyst)
- 4 second measurement space
- 5 first proton-conductive layer
- 6 second proton-conductive layer
- 7 first electrode
- 8 second electrode
- 9 third electrode
- 10 fourth electrode
- 11 support
- 12 first opening
- 13 second opening
- 14 heater
- 15 first constant-voltage source
- 16 first ammeter
- 17 ~~first~~ second constant-voltage source
- 18 ~~first~~ second ammeter

- 19 heater power source
- 21 first reference electrode
- 22 first electrometer
- 23 control signal indicating potential difference between the first electrode and the first
reference electrode
- 24 first variable-voltage source
- 25 first ammeter
- 27 second reference electrode
- 28 second electrometer
- 29 control signal indicating potential difference between the third electrode and the
second reference electrode
- 30 second variable-voltage source
- 31 second ammeter
- 32 second diffusion-controlling section
- 33 heater
- 34 heater power source
- 35 third electrode
- 36 fourth electrode
- 37 ~~first~~third electrometer
- 40 proton-conductive layer (serving as the first and second proton-conductive layers)
- 41 heater
- 42 heater power source